

WHAT IS CLAIMED IS:

1. A toner container cartridge and refilling apparatus for refilling a toner hopper of a toner image producing machine without toner clouding and spilling, the toner container cartridge and refilling apparatus comprising:

(a) a wall defining a toner containing chamber for containing refill toner, a first end and second end;

(b) a movable sealing disc closing said first end of said chamber;

(c) a thin rupturable membrane sealing said second end of said chamber;

(d) means for coupling said second end to a toner cartridge to be refilled with toner; and

(e) a piston device for contacting and moving said sealing disk from said first end towards said second end of said chamber, thereby dispensing said refill toner from said storage chamber into said toner cartridge.

2. The toner cartridge refilling apparatus of **claim 1**, wherein said sealing disc has an outside surface and inside surface including a spike member projecting into said storage chamber for controlling a profile of pressure applied by said piston device to said refill toner within said storage chamber.

3. The toner container cartridge and refilling apparatus of **claim 1**, wherein said thin membrane is rupturable from a pressure applied against said thin membrane by refill toner being pushed by said sealing disc and piston device.

4. The toner container cartridge and refilling apparatus of **claim 1**, wherein said syringe type refill container is cylindrical and includes a conical second end.

5. The toner container cartridge and refilling apparatus of **claim 1**, wherein said syringe type container is made of a plastic material.

6. The toner container cartridge and refilling apparatus of **claim 1**, wherein said sealing disc is made of a flexible plastic material.

7. The toner container cartridge and refilling apparatus of **claim 1**, wherein said piston device comprises an injector gun.

8. The toner container cartridge and refilling apparatus of **claim 1**, wherein said second end of said syringe type container includes means for accepting and retaining a membrane protective cap.

9. The toner container cartridge and refilling apparatus of **claim 2**, wherein said spike member is shaped and sized to fit snugly into a tapered portion of said second end of said storage chamber for effectively displacing and dispensing refill toner from said second end.